

FIG.1

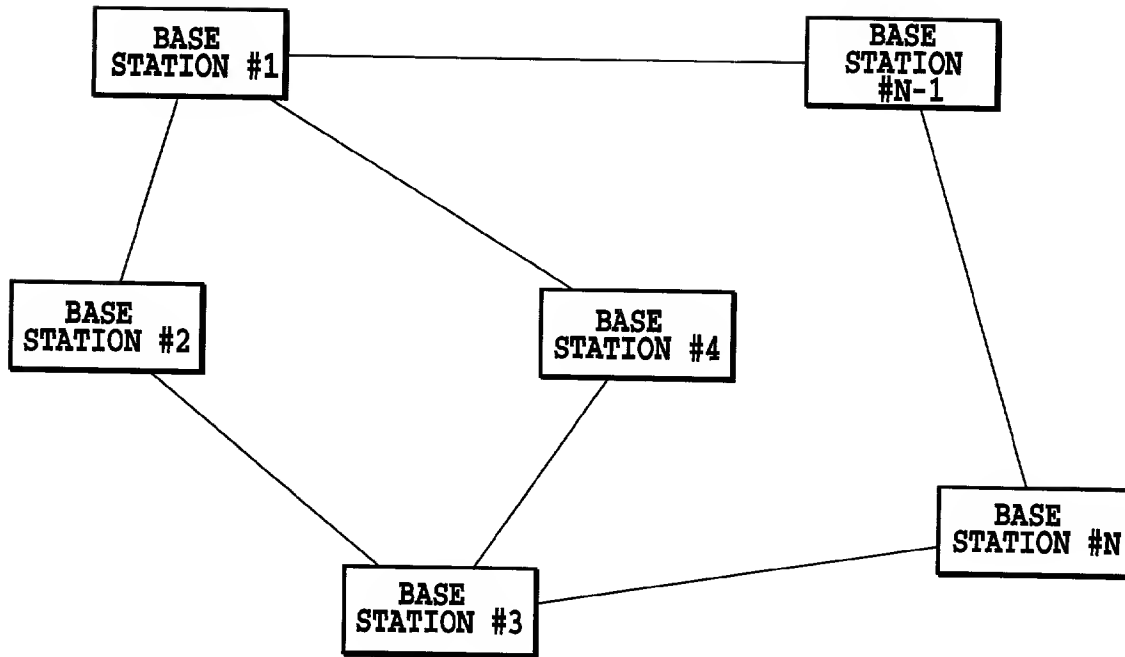
| INFORMATION ELEMENTS   | INFORMATION LENGTH<br>(BYTES) | REMARKS                      |
|--|-------------------------------|------------------------------|
| MESSAGE TYPE   | 1                             |                              |
| NETWORK NUMBER   | 2                             |                              |
| REGULATION INFORMATION   | 3                             |                              |
| CONTROL CHANNEL STRUCTURE INFORMATION  | 6~33                          |                              |
| MOBILE STATION TRANSMISSION POWER SPECIFICATION                                  | 1                             | RESERVED FOR CONTROL CHANNEL |
| WAITING ACCEPTABLE SIGNAL LEVEL  | 1                             |                              |
| WAITING DEGRADATION SIGNAL LEVEL   | 1                             |                              |
| NUMBER OF MULTIPLEXED LOCATION REGISTRATION AREAS                                | 1                             |                              |
| LOCATION NUMBER  | 1                             |                              |
| ~  | ~                             |                              |
| LOCATION NUMBER  | 1                             |                              |
| MAXIMUM NUMBER OF BROADCAST CHANNEL<br>RESERVED FOR VISITED ZONE/SECTOR DECISION | 1                             |                              |
| PERCH CHANNEL No.  | 1                             |                              |
| PERCH CHANNEL No.  | 1                             |                              |
| ~  | ~                             |                              |
| PERCH CHANNEL No.  | 1                             |                              |
| LOCATION REGISTRATION TIMER  | 1                             |                              |
| LENGTH OF EXTENSION INFORMATION ELEMENT  | 1                             |                              |
| FIRST OPERATOR UNIQUE INFORMATION  | 0~5                           | RESERVED FOR OPERATOR OPTION |

FIG.1A

FIG.1B

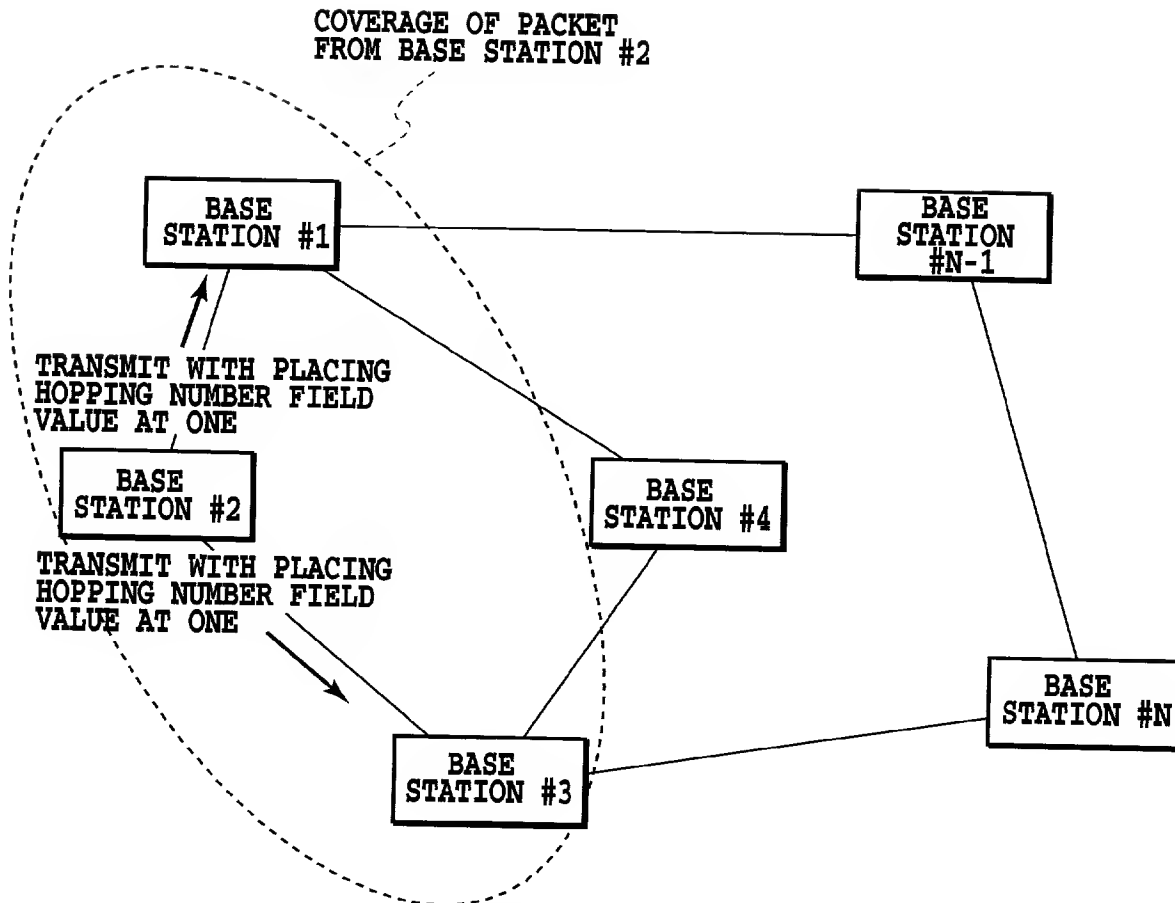
FIG.1A

|   |    |  |
|---|----|--|
| LENGTH OF EXTENSION STANDARD INFORMATION ELEMENT  | 1  |  |
| PACKET CHANNEL STRUCTURE INFORMATION              | 5  | EXTENSION STANDARD INFORMATION ELEMENT |
| FREQUENCY CODE                                    | 2  | EXTENSION STANDARD INFORMATION ELEMENT |
| SLOT No.  | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| COLOR CODE (1)                                    | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| SCRAMBLING CODE (1)                               | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| CHANNEL REGULATION INFORMATION(1)                 | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| ~   | ~  |  |
| FREQUENCY CODE (N)                                | 2  | EXTENSION STANDARD INFORMATION ELEMENT |
| SLOT NO. (N)                                      | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| COLOR CODE (N)                                    | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| SCRAMBLING CODE (N)                               | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| CHANNEL REGULATION INFORMATION(N)                 | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| TERMINAL AREA CODE                                | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| NUMBER OF MULTIPLEXED PACKET CALL AREA CODES      | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| MULTIPLEXED NUMBER OF PACKET CALL AREA CODES      | 1  |  |
| ~   | ~  | EXTENSION STANDARD INFORMATION ELEMENT |
| MULTIPLEXED NUMBER OF PACKET CALL AREA CODES      | 1  |  |
| ZONE SERVICE INFORMATION                          | 3  | EXTENSION STANDARD INFORMATION ELEMENT |
| PACKET WAITING ACCEPTABLE SIGNAL LEVEL DIFFERENCE | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| PACKET USER REGISTRATION TIMER                    | 1  | EXTENSION STANDARD INFORMATION ELEMENT |
| SECOND OPERATOR UNIQUE INFORMATION                | 0~ | RESERVED FOR OPERATOR OPTION           |



| NODE            | IP ADDRESS  | MULTICAST ADDRESS |
|-----------------|-------------|-------------------|
| BASE STATION #1 | xxx.xxx.0.0 | xxx.xxx.1.0       |
| BASE STATION #2 | xxx.xxx.0.1 | xxx.xxx.1.0       |
| .               | .           | .                 |
| BASE STATION #N | xxx.xxx.0.N | xxx.xxx.1.0       |

FIG.2



| NODE            | IP ADDRESS  | MULTICAST ADDRESS |
|-----------------|-------------|-------------------|
| BASE STATION #1 | xxx.xxx.0.0 | xxx.xxx.1.0       |
| BASE STATION #2 | xxx.xxx.0.1 | xxx.xxx.1.0       |
| .               | .           | .                 |
| BASE STATION #N | xxx.xxx.0.N | xxx.xxx.1.0       |

FIG.3

MULTICAST PACKET FORMAT

|                                      |                                   |                   |                       |
|--------------------------------------|-----------------------------------|-------------------|-----------------------|
| BASE STATION<br>MULTICAST<br>ADDRESS | SOURCE BASE<br>STATION<br>ADDRESS | HOPPING<br>NUMBER | SYSTEM<br>INFORMATION |
|--------------------------------------|-----------------------------------|-------------------|-----------------------|

FIG.4A

OPERATING FLOW OF BASE STATION  
WHEN RECEIVING MULTICAST PACKET

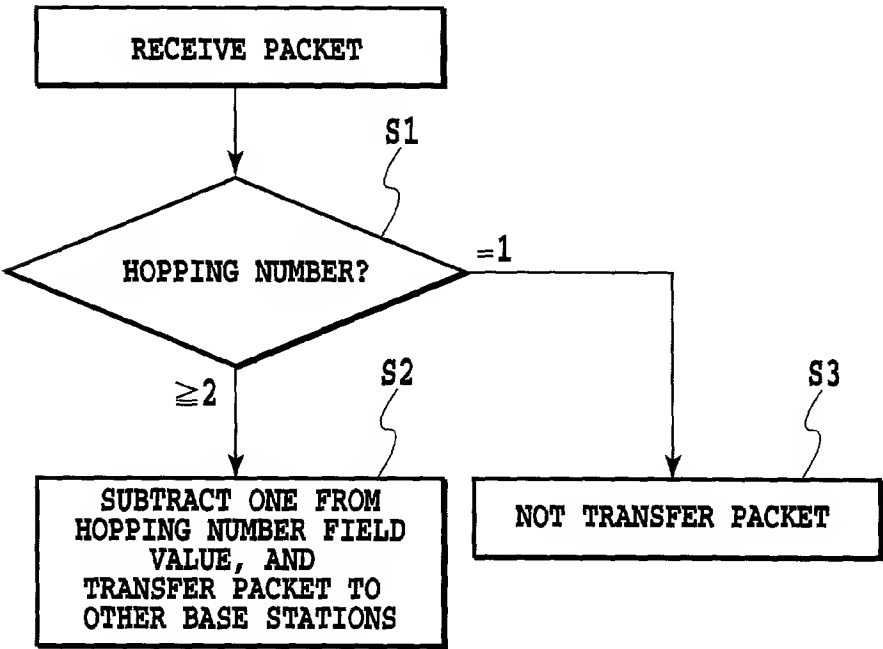
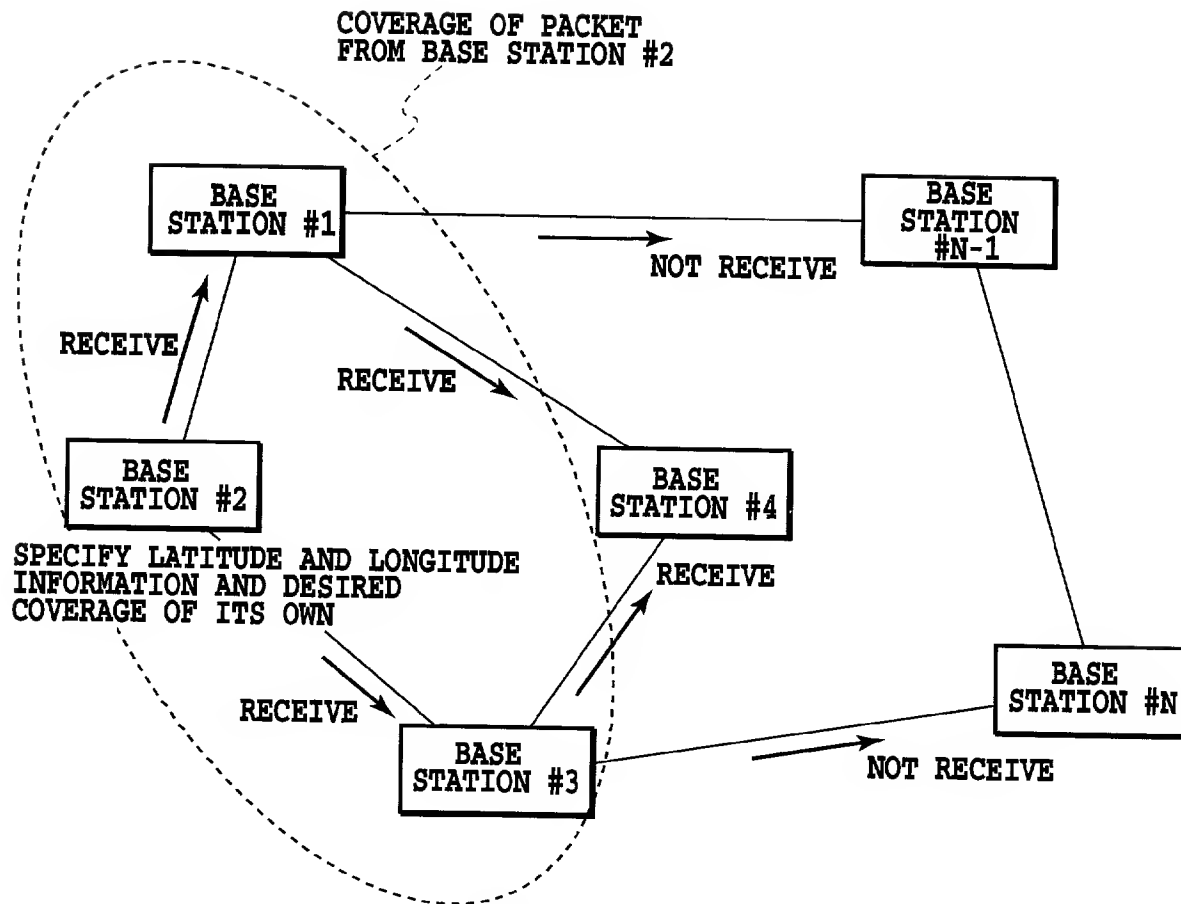


FIG.4B



| NODE            | IP ADDRESS  | MULTICAST ADDRESS |
|-----------------|-------------|-------------------|
| BASE STATION #1 | xxx.xxx.0.0 | xxx.xxx.1.0       |
| BASE STATION #2 | xxx.xxx.0.1 | xxx.xxx.1.0       |
| .               | .           | .                 |
| BASE STATION #N | xxx.xxx.0.N | xxx.xxx.1.0       |

FIG.5

## MULTICAST PACKET FORMAT

| BASE STATION<br>MULTICAST<br>ADDRESS | SOURCE BASE<br>STATION<br>ADDRESS | LATITUDE AND<br>LONGITUDE<br>INFORMATION<br>ABOUT SOURCE<br>BASE STATION | DESIRED VALUE<br>OF PACKET<br>COVERAGE<br>(D DESIRE) |
|--------------------------------------|-----------------------------------|--|--|
| SYSTEM INFORMATION                   |                                   |  |  |

FIG.6A

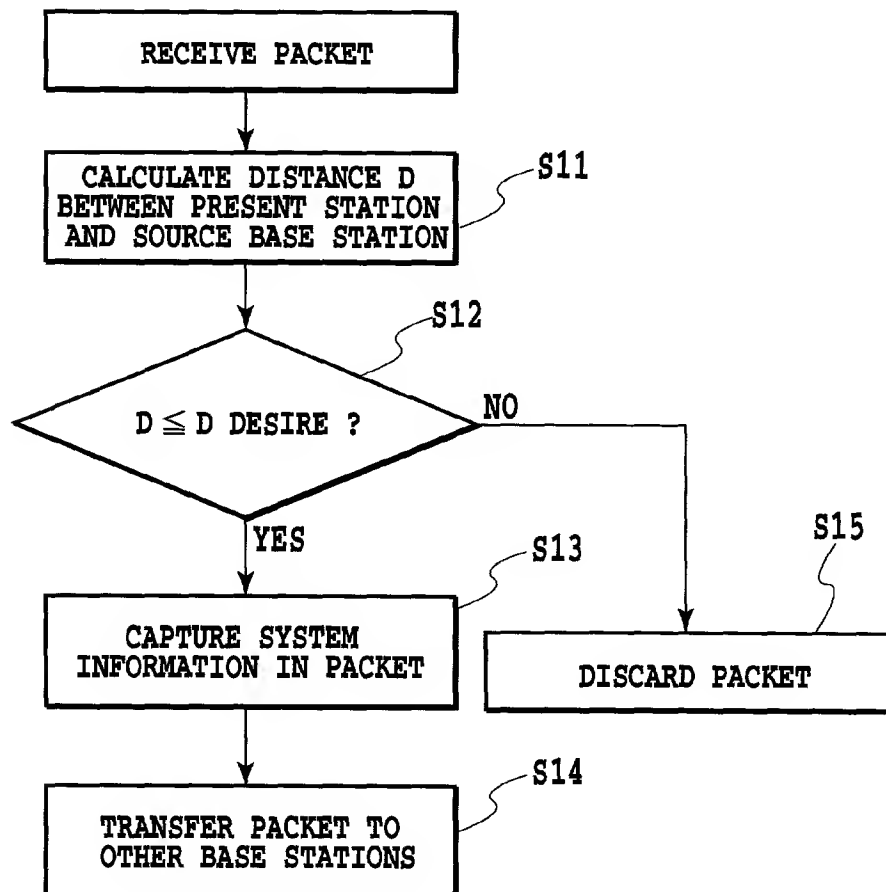
OPERATING FLOW OF BASE STATION  
WHEN RECEIVING MULTICAST PACKET

FIG.6B

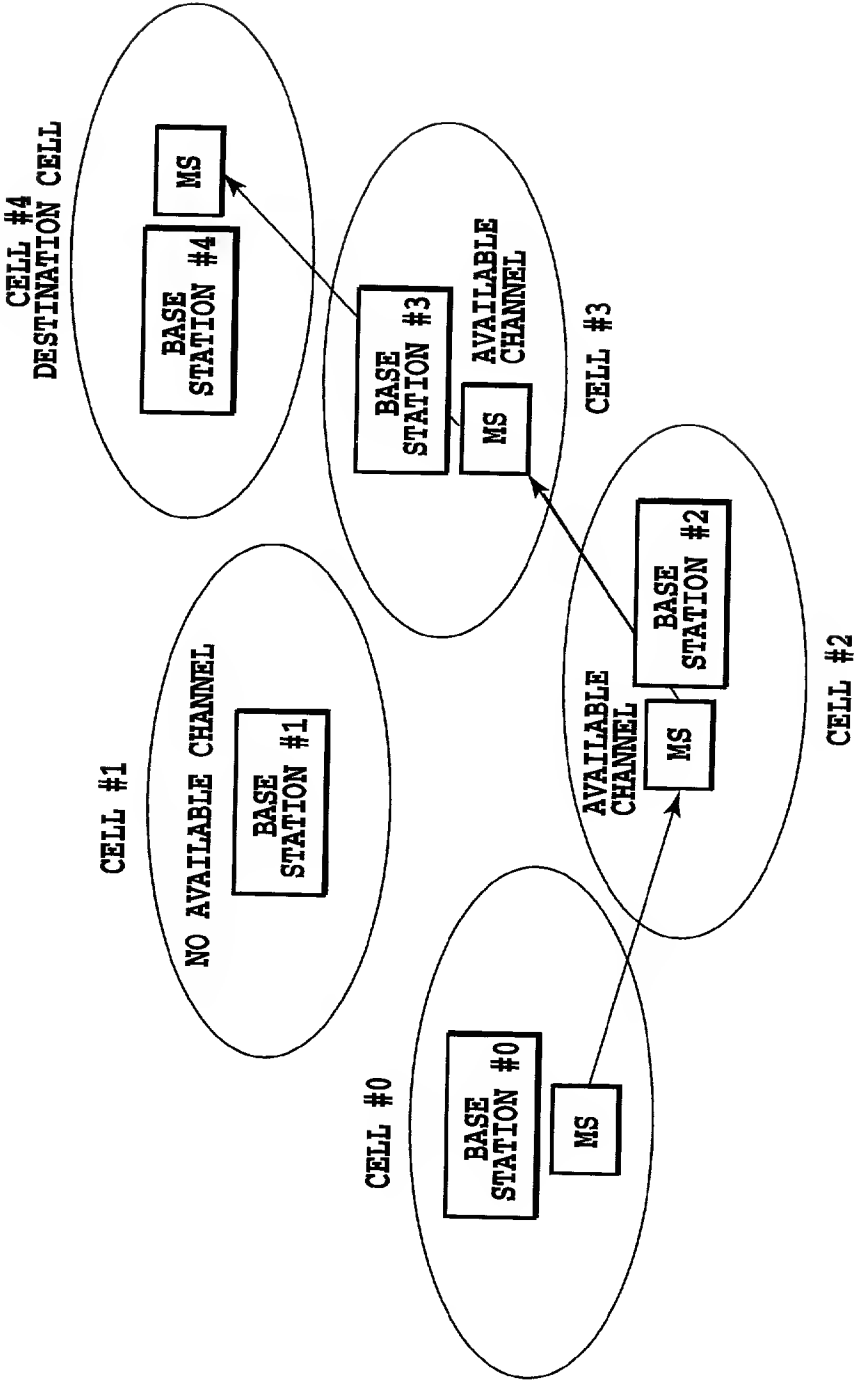


FIG. 7



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**BROADCAST INFORMATION ACQUISITION  
REQUEST PACKET FORMAT**

|                                   |                                  |  |                   |
|-----------------------------------|----------------------------------|--|-------------------|
| BASE STATION<br>MULTICAST ADDRESS | SOURCE MOBILE<br>STATION ADDRESS | BROADCAST<br>INFORMATION<br>ACQUISITION<br>REQUEST COMMAND | HOPPING<br>NUMBER |
|-----------------------------------|----------------------------------|--|-------------------|

**FIG.8A**

**BROADCAST INFORMATION ACQUISITION  
REQUEST PACKET FORMAT**

|   |                                  |  |   |
|---|----------------------------------|--|---|
| BASE STATION<br>MULTICAST ADDRESS                 | SOURCE MOBILE<br>STATION ADDRESS | BROADCAST<br>INFORMATION<br>ACQUISITION<br>REQUEST COMMAND | LATITUDE AND<br>LONGITUDE<br>INFORMATION OF<br>SOURCE MOBILE<br>STATION |
| DESIRED VALUE OF<br>PACKET COVERAGE<br>(D DESIRE) |                                  |  |   |

**FIG.8B**

**BROADCAST INFORMATION ACQUISITION  
RESPONSE PACKET FORMAT**

|  |                                   |   |   |
|--|-----------------------------------|---|---|
| DESTINATION<br>MOBILE<br>STATION ADDRESS | SOURCE BASE<br>STATION<br>ADDRESS | BROADCAST<br>INFORMATION<br>ACQUISITION<br>RESPONSE COMMAND | LATITUDE AND<br>LONGITUDE<br>INFORMATION OF<br>SOURCE MOBILE<br>STATION |
| BROADCAST INFORMATION                    |                                   |   |   |

**FIG.8C**

FIG. 8A, 8B, 8C

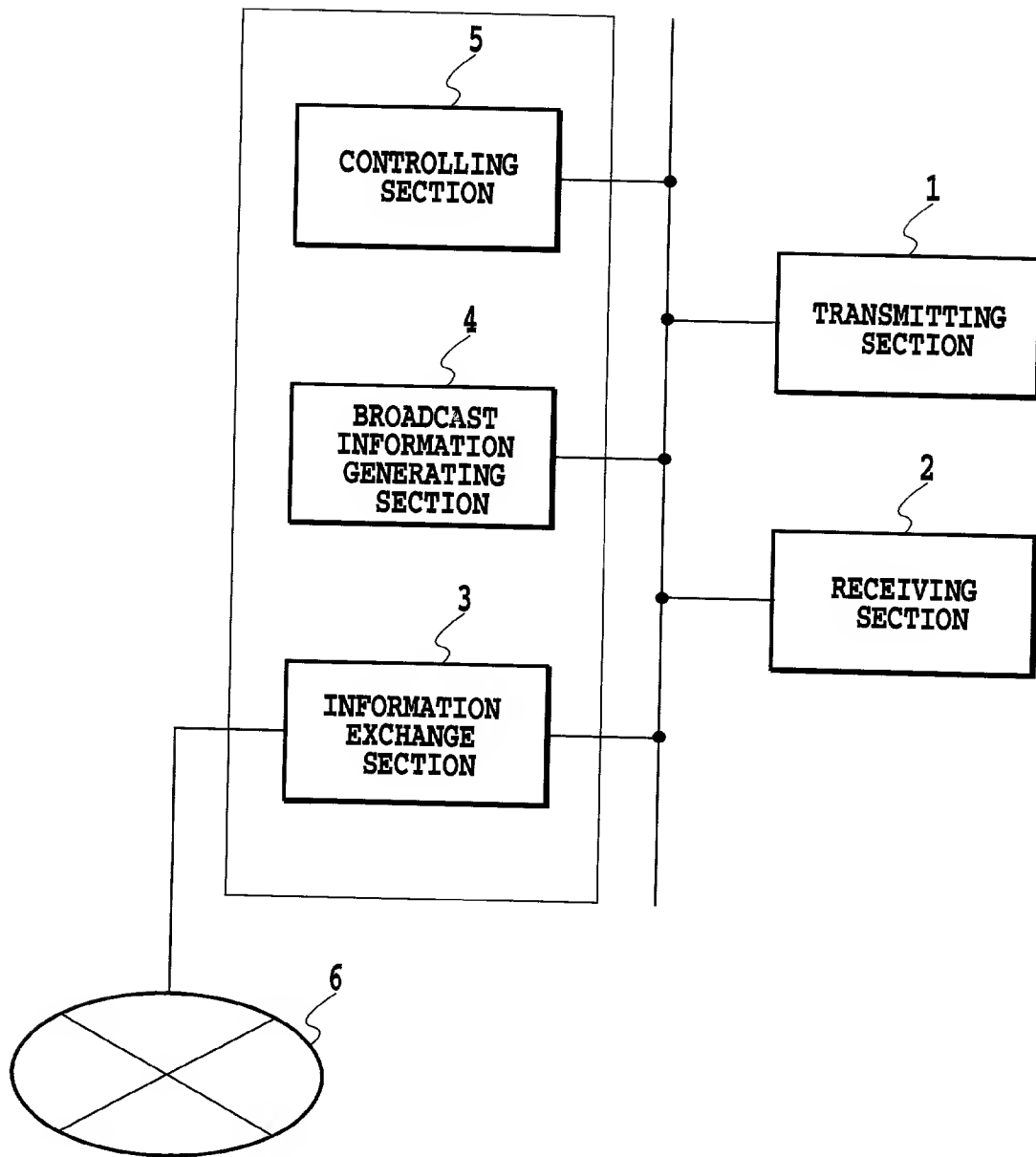


FIG.9